

# Notice of Allowability

Application No.

09/677,440

Examiner

Quang N. Nguyen

Applicant(s)

BERO, RAYMOND

Art Unit

2141

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Response with Amendments filed on 06/03/2004.
2. ☒ The allowed claim(s) is/are 1-12, 15-35, 38-41, 45, 46, 48-57 and 59-63.
3. ☒ The drawings filed on 29 September 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

***Statement of Reasons for Allowance***

1. An Examiner's statement of reasons for allowance to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment maybe filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Claims 1-12, 15-35, 38-41, 45-46, 48-57 and 59-63 are allowed.

3. The following is an examiner's statement of reasons for allowance:

The prior art of record teaches the claimed invention substantially, but it fails to teach or suggest individually or in combination that a method and system for displaying Domain Name System (DNS) information in active use for a domain name to a remote customer and dynamically updating the DNS information in response to a request from the customer, wherein the DNS information as a service to the customer is stored in multiple DNS resource records (RRs) in a first of multiple zone data files, the dynamic updating using an update file distinct from the zone data files to identify updates to DNS information, comprising: responding to requests from clients for DNS information about the domain name by sending copies of cached DNS information that was read from the

stored DNS RRs; receiving the instruction to modify the DNS information; and *in response to the instruction, updating the first DNS RR in the stored first zone data file to contain the changed DNS information and modifying the update file to indicate that the stored first zone data file has been updated, so that before the DNS information in the first DNS RR is next sent to a client, the indication of the stored first zone data file in the modified update file will cause the changed DNS information for the first DNS RR in the updated stored first zone data file to replace the cached DNS information for the first DNS RR* as set forth in independent claim 1. Claims 1-11 are allowed because of the combination of other limitations and the limitation listed above.

The prior art of record teaches the claimed invention substantially, but it fails to teach or suggest individually or in combination that a method and system for allowing a remote user to dynamically update stored DNS information, which includes a cached portion and a distinct stored portion, comprising the steps of: providing the remote user with a displayable copy of a specified portion of the DNS information associated with a domain name; receiving an indication from the remote user of a specified change to the specified portion of the DNS information; *modifying a first location in the stored portion to reflect the specified change, the first location corresponding to the domain name; modifying an update data structure to provide an indication of the modification of the stored portion; receiving a request for the specified portion of DNS information from a client; and in response to the request and to the*

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***indication of the modification of the stored portion, replacing a portion of the cached portion with the contents at the first location of the stored portion*** as set forth in independent claims 12, 35, 45-46, 49, 51, 54 and 59. Claims 12, 15-35, 38-41, 45-46, 48-57 and 59-63 are allowed because the combination of other limitations and the limitation listed above.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

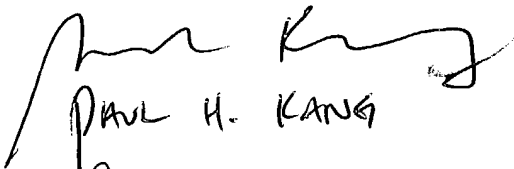
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5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quang N. Nguyen whose telephone number is (703) 305-8190.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's SPE, Rupal Dharia, can be reached at (703) 305-4003. The fax phone number for the organization is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3800/4700.

Quang N. Nguyen

  
PAUL H. KANG  
Primary Examiner